

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

Documentation (Approvals etc...)

Heating, Refrigeration and Air Conditioning
Technician

2010

MHT2W Curriculum Modification for 2009-10 2010-11

Fanshawe College

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cae_woodstockoxford_heatingrefrigerationandairtech_documentation](https://first.fanshawec.ca/cae_woodstockoxford_heatingrefrigerationandairtech_documentation)

COPY

Aug 5th, 2010-08-05

Late Requests for:

Degree Audits -2009/2010 and 2010/11

MHT2W – Heating, Refrigeration & Air Conditioning Technician

- Discussed with and assisted Donna Derer in the creation of this new mandatory Gen Ed course – has been approved by the Gen Ed coordinator.
- Change to one of the mandatory general education courses as the previous one owned by the LKSB no longer met the needs of the program.

Recommend: Approval

Deb

PROGRAM/CURRICULUM "RATIONALE FOR CHANGES"

All requests for changes to programs of instruction must be submitted to the Registrar's Office by December 1st each year for changes to be implemented for the following September intake. All changes require the approval of the Dean and possibly the VPA's Office, if significant.

REMINDER: We need to ensure that changes are made properly and in a timely manner to: maximize student success; optimize employment preparation; meet all quality and integrity responsibilities to MTCU, PQAPA and our Board of Governors; and meet community expectations.

- The **Program/Curriculum "Rationale for Changes"** should be completed using this template and all areas must be completed. An electronic copy of this document should be submitted to the Registrar's Office.
- The Dean/Chair responsible for the program should consult with other affected schools and obtain the appropriate sign-offs on a paper copy of this document. Once all consultations and sign-offs have occurred, the paper copy should be submitted to the RO
- Course Request Forms must also be submitted electronically to Strategy and Planning for all new courses. These will be forwarded to Scheduling following approval of the changes by the Dean and possibly the VPA's Office.

1.0 Program Requiring Changes

Program Title:	Heating, Refrigeration & Air Conditioning Technician	
Program Alpha & Number:	MHT2W	
Effective Catalog Year:	2009/10 and 2010/11+	

Please answer each of the questions below, if applicable. Missing or incomplete information may delay approval and/or implementation of the proposed changes.

2.0 Rationale for Changes

2.01 Provide a brief description of the reasons for the proposed changes.

BUSI-1005 is a mandatory Gen Ed in this program. It is owned by the LKSB and over the past two years has had the content changed quite substantially to reflect the requirements of BUS programs. As a result, this course no longer meets the needs of the MHT2W program and both students and faculty teaching the course are unhappy with the content and student success is being impaired. A new course BUSI-1103 has been developed by OXF and we would like to replace BUSI-1005 with this course as their mandatory Gen Ed. This new course focuses more on Canadian content and ownership or management of a small business, which is the focus of many graduates of this program.

2.02 Students

- Are changes a response to student feedback? Or our Programs Data Report - Weak Factors? (summarize how changes address this issue) Changes are in direct response to feedback from students and from faculty teaching BUSI-1005.
- How will changes affect student learning and success? (describe evidence to support this) By offering a mandatory Gen Ed that focuses more on the expected career goals of our students, it is expected that student success will improve.
- How will changes affect cost of the program for students? (e.g., materials fees; equipment fees - laptop program; OSAP implications) No effect

- How will changes affect the flow of the program? This course change is in the final semester of the program so will not affect the flow.

2.03 Relationship of Program to Industry

- How do changes reflect trends in the field or in industry? (Provide data regarding industry and/or professional trends.) N/A as it is a Gen Ed. But we are aiming to provide a Gen Ed that is more relevant to future career goals.

2.04 Program Learning Outcomes

- How do the changes align with Ministry outcomes? (Provide a copy of the completed program map indicating gaps/overlaps that are being corrected) As a Gen Ed, this does not impact the program learning outcomes.

2.05 Relationships with Other Fanshawe College Programs

- Is this course in a ladder program or part of any other Fanshawe College program? No.

2.06 Relations with Other Post-Secondary Programs

- How will the changes affect transfer agreements with other post-secondary institutions? N/A
 - What discussions have been initiated with these institutions regarding the changes?

2.07 Changes on Fit of Program with general College Requirements for Programs

- How do changes affect the fit of the program with the College's strategic plan, program mix, general education requirements, marketing? No effect
- Are changes consistent with Colleges policies/practices? Yes (Identify specific areas where policies/practices need to be altered if program changes approved.)

3.0 Consultation Regarding Proposed Changes

3.01 Consultation With Program Advisory Committee

- Indicate feedback from the program advisory committee regarding the changes. Since it is a Gen Ed, no consultation was held. The program review process for this program was held last year.

3.02 Consultation With Other Programs/Schools/Services

- What programs/schools/services have been consulted? The proposed Gen Ed has been submitted to LLS for approval.
- What feedback and suggestions have been offered through consultation?

4.0 Resource Implications of Proposed Changes

4.01 Staffing

- Outline all staffing consequences, both for the program and related areas. none

4.02 Services

- Outline all consequences on other areas. none

4.03 Space or Technology Requirements

- Outline how changes affect space and/or technology requirements. none

4.04 Budgetary Implications

- Outline budgetary implications (include consequences on other schools such as increase/decrease in teaching hours required) none
- Outline changes to materials fees. none

Approvals: Chair of School and Dean of Faculty; possibly VPA's Office, if significant

☒ Approved

☐ Not Approved / Requires Changes


Chair of School/Campus (signature)


Date

Dean of Faculty (signature)

Date

Chair of Servicing School, if required (signature)

Date

Vice-President, Academic, if required (signature)

Date

Degree Audit Report

Catalog: 2009/2010

Program: MHT2W

Name: Heating, Refrigeration and
Air Conditioning Tech'n

Department: OXF - Oxford County Campus

Academic Level: PS

CCD: 8 - 4AcadSem/1200-1400hrs

Grade Scheme: LG2

Major: MHT2W - Heating,refrig & A/C Tech'n

Div: OXF - Oxford County Campus

Co-Op Indicator: N/A

Academic Program Requirement

Total Credits: 81.00

Residency Reqmt: 21.00

GPA Requirement: 2.000

Residency Reqmt GPA: 2.000

Minimum Grade: D

Academic Requirement: MHT2W.09 Heating, Refrigeration and Air Conditioning Tech

Major: MHT2W

Grade Scheme: LG2

Minimum GPA: 2.000

Minimum Grade:

Subrequirement: Level 1

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
ELEC-1014	Electricity - Introduction	60.00	4.00	
HLTH-1014	Health and Safety	30.00	2.00	
MACH-1018	Basic Gas Technician	60.00	4.00	
MACH-1019	Introduction to Gas Appliances	30.00	2.00	
MACH-1020	Propane and Natural Gas Piping Systems	45.00	3.00	
WELD-1013	Welding Technology/Fabricating Skills	30.00	2.00	
PSYC-1025	Human Relations 1	45.00	3.00	**

Subrequirement: Level 2

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
ELEC-1015	Basic Electricity	75.00	5.00	
MECH-5018	Piping & Tubing Systems-Adv	30.00	2.00	
MACH-1026	Press Regulators/Meters, Fuel Containers	45.00	3.00	
MECH-1080	Refrigeration & Air Conditioning-Theory	45.00	3.00	
MECH-1081	Appliance Venting	45.00	3.00	
MECH-1082	The Building as a System	30.00	2.00	
SHMT-1018	Sheet Metal Fabrication 1	45.00	3.00	

Subrequirement: Level 3

Gen Ed - Take a 3 credit General Education elective course

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
CNTL-3004	Controls	75.00	5.00	
SHMT-3009	Sheet Metal Fabrication 2	45.00	3.00	
MECH-1083	Domestic Appl. & Space Heating	60.00	4.00	
MECH-1084	Water Heaters & Hydronic Heating Systems	60.00	4.00	

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MECH-1085 Air Conditioning Lab Applications 60.00 4.00

Subrequirement: Level 4

Take all of the following Mandatory Courses:

Group		Total Hours	Total Credits	GE
MECH-1086	Forced Warm Air Heat/Conv/Add-Ons	75.00	5.00	
COMP-1391	HVAC Design Computer Applications	45.00	3.00	
MECH-1087	Air Handling	30.00	2.00	
MECH-1088	Refrigeration Lab Applications	60.00	4.00	
BUSI-1005	Introduction to Business Processes	45.00	3.00	**

Group 1 - Discontinue the following courses

BUSI-1005 BUSI-1006

Subrequirement: Gen Ed - Electives

Take 3 General Education Credits -

Normally taken in Level 3

*Introduction to Small
Business Concepts*

Subrequirement: Check Residency

Students Must Complete a Minimum of 21 of the Program

Credits at Fanshawe to meet the Residency Requirement and

Graduate from this Program.

Approved By: _____

Department: _____

Position: _____

Date: _____

General Education Approved By(as appropriate): _____

Date: _____

Degree Audit Report

Catalog: 2010/2011

Program: MHT2W

Name: Heating, Refrigeration and
Air Conditioning Tech'n

Department: OXF - Oxford County Campus

Academic Level: PS

CCD: 8 - 4AcadSem/1200-1400hrs

Grade Scheme: LG2

Major: MHT2W - Heating,refrig & A/C Tech'n

Div: OXF - Oxford County Campus

Co-Op Indicator: N/A

Academic Program Requirement

Total Credits: 81.00

Residency Reqmt: 21.00

GPA Requirement: 2.000

Residency Reqmt GPA: 2.000

Minimum Grade: D

Academic Requirement: MHT2W.10 Heating, Refrigeration and Air Conditioning Tech

Major: MHT2W

Grade Scheme: LG2

Minimum GPA: 2.000

Minimum Grade:

Subrequirement: Level 1

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
ELEC-1014	Electricity - Introduction	60.00	4.00	
HLTH-1014	Health and Safety	30.00	2.00	
MACH-1018	Basic Gas Technician	60.00	4.00	
MACH-1019	Introduction to Gas Appliances	30.00	2.00	
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WELD-1013	Welding Technology/Fabricating Skills	30.00	2.00	
PSYC-1025	Human Relations 1	45.00	3.00	**

Subrequirement: Level 2

Take all of the following Mandatory Courses:

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ELEC-1015	Basic Electricity	75.00	5.00	
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MECH-1081	Appliance Venting	45.00	3.00	
MECH-1082	The Building as a System	30.00	2.00	
SHMT-1018	Sheet Metal Fabrication 1	45.00	3.00	

Subrequirement: Level 3

Gen Ed - Take a 3 credit General Education elective course

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
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SHMT-3009	Sheet Metal Fabrication 2	45.00	3.00	
MECH-1083	Domestic Appl. & Space Heating	60.00	4.00	
MECH-1084	Water Heaters & Hydronic Heating Systems	60.00	4.00	

Degree Audit Report

Subrequirement: Level 4

Take all of the following Mandatory Courses:

Group 1

		Total Hours	Total Credits	GE
MECH-1086	Forced Warm Air Heat/Conv/Add-Ons	75.00	5.00	
COMP-1391	HVAC Design Computer Applications	45.00	3.00	
MECH-1087	Air Handling	30.00	2.00	
BUSI-1005	Introduction to Business Processes	45.00	3.00	**

Group 2 - Business and Technology Applications

Subrequirement: Add'l Req

*BUSI-1005 BUSI-1103 - 4th semester to 1st sem
Business Calculus*

Take the following Mandatory Courses:

Normally taken in Levels 3 or 4

		Total Hours	Total Credits	GE
MECH-1085	Air Conditioning Lab Applications	60.00	4.00	
MECH-1088	Refrigeration Lab Applications	60.00	4.00	

Subrequirement: Gen Ed - Electives

Take 3 General Education Credits -

Normally taken in Level 3

Subrequirement: Check Residency

Students Must Complete a Minimum of 21 of the Program

Credits at Fanshawe to meet the Residency Requirement and

Graduate from this Program.

Approved By: _____

Department: _____

Position: _____

Date: _____

General Education Approved By(as appropriate): _____

Date: _____